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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/614,928	07/08/2003	Jin-Yuan Lee	MEG00-009B	9220
7590 03/13/2006		EXAMINER		
George O. Saile			MENZ, DOUGLAS M	
28 Davis Avenue Poughkeepsie, NY 12603			ART UNIT	PAPER NUMBER
1008			2891	
			DATE MAIL ED: 03/13/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

<u> </u>		Application No.	Applicant(s)			
Office Action Summary		10/614,928	LEE, JIN-YUAN			
		Examiner	Art Unit			
		Douglas M. Menz	2891			
D. 1.16	The MAILING DATE of this communication ap	ppears on the cover sheet w	ith the correspondence address			
Period fo	•	V 10 000 00 00 00 00 00 00 00 00 00 00 00				
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICATION OF THE MAILING INTERIOR OF THE MAILING OF T	DATE OF THIS COMMUNION (136(a). In no event, however, may a red will apply and will expire SIX (6) MON te, cause the application to become AB	CATION. reply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).			
Status			·			
1)⊠	Responsive to communication(s) filed on <u>02 I</u>	February 2006.				
	This action is FINAL . 2b)⊠ This action is non-final.					
3)□	·—					
	closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	. 11, 453 O.G. 213.			
Disposit	ion of Claims					
_	Claim(s) 25-44 is/are pending in the application	on.				
	4a) Of the above claim(s) <u>36-44</u> is/are withdrawn from consideration.					
	Claim(s) is/are allowed.					
· · · · · · · · · · · · · · · · · · ·	Claim(s) <u>25-35</u> is/are rejected.					
7)	Claim(s) is/are objected to.	•				
8)□	Claim(s) are subject to restriction and/	or election requirement.				
Applicati	ion Papers					
	The specification is objected to by the Examin	or				
·	The drawing(s) filed on <u>08 July 2003</u> is/are: a		ted to by the Examiner			
.0/23	Applicant may not request that any objection to the					
	Replacement drawing sheet(s) including the correct					
11)	The oath or declaration is objected to by the E					
Priority u	under 35 U.S.C. § 119					
	Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. 8	119(a)-(d) or (f)			
	☐ All b)☐ Some * c)☐ None of:	p. 101 ky a 11001 00 0.0.0.	110(2) (2) 31 (1).			
	1. Certified copies of the priority documen	its have been received.				
	2. Certified copies of the priority documen		pplication No			
	3. Copies of the certified copies of the price	ority documents have been	received in this National Stage			
	application from the International Burea	au (PCT Rule 17.2(a)).				
* 5	See the attached detailed Office action for a lis	t of the certified copies not	received.			
			·			
	* *					
Attachmen	t(s)	·				
	e of References Cited (PTO-892)		Summary (PTO-413)			
	e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08		s)/Mail Date nformal Patent Application (PTO-152)			
	r No(s)/Mail Date	6) Other:	• • • • • • • • • • • • • • • • • • • •			

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DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of Species I, claims 25-35, in the reply filed on 2/2/06 is acknowledged. The traversal is on the ground(s) that Applicant would face increased costs if the two species are separately examined. This is not found persuasive because it has been shown in Paper dated 12/29/05 that a restriction requirement was indeed proper.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 25-35 are rejected under 35 U.S.C. 102(e) as being anticipated by Taniguchi et al. (US 6489676).

Regarding claim 25, Taniguchi discloses an electronic package comprising: a first circuitry component having a top surface (4, Fig. 18);

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a second circuitry component (4a, Fig. 18) over said top surface;

an insulation layer (8, Fig. 18) covering said second circuitry component and said top surface; and a metal layer (42, Fig. 18) on said insulation layer.

Regarding claim 26, Taniguchi further discloses wherein said first circuitry component comprises a semiconductor chip (4, Fig. 18 and Col. 9).

Regarding claim 27, Taniguchi further discloses wherein said second circuitry component comprises a semiconductor chip (4a, Fig. 18 and Col. 9).

Regarding claim 28, Taniguchi further discloses a bump between said first and second circuitry components (6e, Fig. 18 and Col. 9).

Regarding claim 29, Taniguchi further discloses wherein said insulation layer (8, Fig. 18) comprises a portion between said first and second circuitry components and enclosing said bump (Fig. 18).

Regarding claim 30, Taniguchi further discloses wherein said insulation layer comprises a photosensitive material (Col. 9).

Regarding claim 31, Taniguchi further discloses a via (18, Fig. 18) through said insulation layer and connecting said first circuitry component and said metal layer.

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Regarding claim 32, Taniguchi further discloses wherein said insulation layer has a top surface comprising a first region and a second region, said first region being over said second circuitry component, said second region being not over said second circuitry component, wherein said first and second regions are coplanar (Fig. 18).

Regarding claim 33, Taniguchi further discloses wherein said metal layer is on said first and second regions (Fig. 18).

Regarding claim 34, Taniguchi further discloses a bump over said metal layer (Fig. 12).

Regarding claim 35, Taniguchi further discloses wherein said second circuitry component comprising a top surface and a bottom surface facing said top surface of said first circuitry component, said insulation layer over said top surface of said second circuitry component (Fig. 18).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas M. Menz whose telephone number is 571-272-1877. The examiner can normally be reached on M-F 8-5.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Baumeister can be reached on 571-272-1722. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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